

**To:** Oberley, Gregory[Oberley.Gregory@epa.gov]  
**From:** Wilkin, Rick  
**Sent:** Fri 6/14/2013 12:52:01 PM  
**Subject:** RE: DI Data

Hi Greg – yes the reported data are for dissolved inorganic carbon, which would include  $\text{H}_2\text{CO}_3$ ,  $\text{HCO}_3^-$ , and  $\text{CO}_3^{2-}$ . By combining pH and DIC, one is able to calculate the individual species.

\*\*\*\*\*

Richard T. Wilkin, Ph.D.

Geochemist

U.S. Environmental Protection Agency

National Risk Management Research Laboratory

Ground Water and Ecosystems Restoration Division

Mail: 919 Kerr Research Dr., Ada, Oklahoma 74820

Phone: 580-436-8874

E-mail: [wilkin.rick@epa.gov](mailto:wilkin.rick@epa.gov)

**From:** Oberley, Gregory  
**Sent:** Thursday, June 13, 2013 2:32 PM  
**To:** Wilkin, Rick  
**Subject:** FW: DI Data

Rick do you have a quick answer for this question below concerning DIC analysis for Pavillion

**From:** Lisa L. Denke [mailto:[lisa.denke@uwyo.edu](mailto:lisa.denke@uwyo.edu)]  
**Sent:** Thursday, June 13, 2013 11:25 AM  
**To:** Oberley, Gregory  
**Subject:** DI Data

Hi Gregory,

I have a question about the data in this file. I believe that you guys analyzed for inorganic carbon, then came up with any HCO<sub>3</sub> or CO<sub>3</sub> from that data. Is that correct? And the results in this file are inorganic carbon?

[ftp://ftp.epa.gov/r8/pavilliondocs/RawLabData/Phase4/ORD\\_GP\\_Lab\\_TOC\\_DIC\\_Analysis\\_Phase\\_IV/DICrawdata.pdf](ftp://ftp.epa.gov/r8/pavilliondocs/RawLabData/Phase4/ORD_GP_Lab_TOC_DIC_Analysis_Phase_IV/DICrawdata.pdf)

Lisa Denke

(b)(6) privacy [phone #]

[www.linkedin.com/pub/lisa-denke/14/526/4a5/](http://www.linkedin.com/pub/lisa-denke/14/526/4a5/)